

# Safety Data Sheet

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## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Name** Greenmaster Liquid 0-0-0-6.3Fe  
**Product Code:** 31070199DA  
**Pure substance/mixture** Mixture.

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Fertilizer (PC12). Restricted to professional users.  
**Uses Advised Against:** Consumer use [SU 21].

### 1.3. Details of the supplier of the safety data sheet

Everris International B.V. Nijverheidsweg 1-5; 6422 PD Heerlen (NL); Tel: +31 (0)45-5609100; Fax: +31 (0)45-5609190.

**For further information, please contact:** INFO-MSDS@EVERRIS.COM.

**1.4. Emergency telephone number:** IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24h).

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Mixture

*Regulation (EC) No 1272/2008 (CLP)*

<b>Acute toxicity - Oral</b>	Category 4 - (H302)
<b>Skin Corrosion or Irritation</b>	Category 2 - (H315)
<b>Eye Irritation</b>	Category 2 - (H319)
<b>Chronic aquatic toxicity</b>	Category 3 - (H412)

### 2.2. Label elements



**Signal Word:** Warning

#### Hazard Statements:

H319 - Causes serious eye irritation  
 H412 - Harmful to aquatic life with long lasting effects  
 H302 - Harmful if swallowed  
 H315 - Causes skin irritation

#### Precautionary Statements:

P264 - Wash hands thoroughly after handling  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P337 + P313 - If eye irritation persists: Get medical advice/attention  
 P501 - Dispose of container in accordance with local regulation

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Chemical Name	EC-No.	CAS No	Weight %	Classification according Regulation (EC) 1272/2008 [CLP]	REACH registration number
Iron sulphate; FeSO <sub>4</sub> +7H <sub>2</sub> O	231-753-5	7782-63-0	25 - 40%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	01-2119513203-57
Citric acid; C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	201-069-1	77-92-9	1 - 5%	Eye Irrit. 2 (H319)	01-2119457026-42
Ethanolamine	205-483-8	141-43-5	0.1 - 1%	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1B (H314)	01-2119486455-28
Zinc sulphate mono hydrate; ZnSO <sub>4</sub> +1H <sub>2</sub> O	231-793-3	7446-19-7	< 0.1%	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2119474684-27
Manganese sulphate; MnSO <sub>4</sub> +1H <sub>2</sub> O	232-08-99	7785-87-7	< 0.1%	STOT RE 2 (H373) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)	01-2119456624-35
Copper sulfate pentahydrate; CuSO <sub>4</sub> +5H <sub>2</sub> O	231-847-6	7758-99-8	< 0.1%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2119520566-40

Full text of H- and EUH-phrases: see section 16.

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

**General Advice:** First aid measures should be executed by trained personnel only.

**Inhalation** If not breathing, give artificial respiration. If symptoms persist, call a physician. If fumes from reactions are inhaled, move to fresh air immediately.

**Skin Contact:** If skin irritation persists, call a physician.

**Eye Contact:** Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

**Ingestion:** Call a physician or Poison Control Centre immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

None under normal processing

#### 4.3. Indication of any immediate medical attention and special treatment needed

None under normal processing.

### Section 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable Extinguishing Media:

Powder(s).

Unsuitable Extinguishing Media:

Water. High volume water jet.

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**5.3. Advice for firefighters**

Use extinguishing agent suitable for type of surrounding fire. In the event of fire and/or explosion do not breathe fumes. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

**Section 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures****Personal Precautions:** Wear personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.**For Emergency Responders:** Use personal protection recommended in Section 8.**6.2. Environmental precautions**

Do not allow material to contaminate ground water system.

**6.3. Methods and material for containment and cleaning up***Methods for Containment:* Prevent further leakage or spillage if safe to do so.*Methods for Cleanup:* Take up mechanically and collect in suitable container for disposal.**6.4. Reference to other sections**

§ 8, 12, 13.

**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

**7.2. Conditions for safe storage, including any incompatibilities**

Technical measures/storage conditions:

Keep containers tightly closed in a cool, well-ventilated place. Keep at temperatures between 0 °C and 40 °C.

Packaging Materials:  
LGK (Germany)Store in original container.  
13**7.3. Specific end use(s)**

Specific use(s)

Exposure scenario

Fertilizer; [www.everris.com](http://www.everris.com); Read and follow label instructions  
Mixture. Not required.**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

<i>Iron sulphate; FeSO<sub>4</sub>·7H<sub>2</sub>O</i>	
Belgium - 8 Hr TWA	1 mg/m <sup>3</sup>
Denmark	TWA: 1 mg/m <sup>3</sup>
Finland	TWA: 1 mg/m <sup>3</sup>
Ireland	TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>
Norway	TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>
Portugal	TWA: 1 mg/m <sup>3</sup>
Spain - Valores Limite Ambientales - VLE	TWA: 1 mg/m <sup>3</sup>
Switzerland	TWA: 1 mg/m <sup>3</sup>
United Kingdom - Occupational Exposure	1 mg/m <sup>3</sup> 8hr TWA. 2 mg/m <sup>3</sup> 15 min TWA
<i>Citric acid; C<sub>6</sub>H<sub>8</sub>O<sub>7</sub></i>	
greece OEL 15 minute	1
<i>Ethanolamine</i>	

European Union	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> Skin
Austria	Skin STEL 3 ppm STEL 7.6 mg/m <sup>3</sup> TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup>
Australia	3 ppm TWA 7.5 mg/m <sup>3</sup> TWA
Belgium - 8 Hr TWA	1 ppm TWA 2.5 mg/m <sup>3</sup> TWA
Bulgaria - OEL - TWAs	1 ppm TWA; 2.5 mg/m <sup>3</sup> TWA
Croatia - OEL - STELs (KGVI)	3 ppm STEL [KGVI]; 7.6 mg/m <sup>3</sup> STEL [KGVI]
Czech Republic OEL	2.5 mg/m <sup>3</sup> TWA
Denmark	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> Skin
Estonia - OEL - STELs	3 ppm STEL; 7.6 mg/m <sup>3</sup> STEL
Finland	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> Skin
FR - OEL - 8h VMEs	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup>
greece OEL 15 minute	3 ppm STEL 7.6 mg/m <sup>3</sup> STEL
Hungary - OEL - TWAs	2.5 mg/m <sup>3</sup> TWA
Iceland - OEL - 8 Hour	1 ppm TWA 2.5 mg/m <sup>3</sup> TWA
Indonesia - OEL - STELs (PSDs)	6 ppm STEL
Italy OEL Data - TWA:	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> Skin
Ireland	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> Skin
Japan	3 ppm OEL 7.5 mg/m <sup>3</sup> OEL
Korea - ISHA - OEL - TWAs	3 ppm TWA (Serial No. 394, listed under 2-Aminoethanol)
Latvia - OEL - TWAs	0.2 ppm TWA; 0.5 mg/m <sup>3</sup> TWA
Malaysia	3 ppm TWA; 7.5 mg/m <sup>3</sup> TWA
NL MAC - TWA:	Skin STEL: 7.6 mg/m <sup>3</sup> TWA: 2.5 mg/m <sup>3</sup>
Norway	TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup> Skin STEL: 2 ppm STEL: 5 mg/m <sup>3</sup>
Poland	STEL: 7.5 mg/m <sup>3</sup> TWA: 2.5 mg/m <sup>3</sup>
Portugal	STEL: 3 ppm STEL: 7.6 mg/m <sup>3</sup> TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup>
Romania - OEL - TWAs	1 ppm TWA; 2.5 mg/m <sup>3</sup> TWA
Slovenia - OEL - TWAs	1 ppm TWA; 2.5 mg/m <sup>3</sup> TWA
Spain - Valores Limite Ambientales - VLE	S* STEL: 3 ppm STEL: 7.5 mg/m <sup>3</sup> TWA: 1 ppm TWA: 2.5 mg/m <sup>3</sup>

Singapore - OEL:PELs	3 ppm PEL 7.5 mg/m <sup>3</sup> PEL
Switzerland	STEL: 4 ppm STEL: 10 mg/m <sup>3</sup> TWA: 2 ppm TWA: 5 mg/m <sup>3</sup>
UK EH40 WEL (8h)	3 ppm TWA 7.6 mg/m <sup>3</sup> TWA
<i>Manganese sulphate; MnSO<sub>4</sub>+1H<sub>2</sub>O</i>	
Austria	STEL 2 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>
Australia	0.2 mg/m <sup>3</sup>
Belgium - 8 Hr TWA	0.2 mg/m <sup>3</sup>
Denmark	TWA: 0.2 mg/m <sup>3</sup>
Finland	TWA: 0.02 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup>
Ireland	TWA: 0.2 mg/m <sup>3</sup> STEL: 0.6 mg/m <sup>3</sup>
Japan	0.2 mg/m <sup>3</sup> OEL Mn
NL MAC - TWA:	STEL: 0.05 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup>
Norway	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.1 ppm
Poland	TWA: 0.05 mg/m <sup>3</sup>
Portugal	TWA: 0.2 mg/m <sup>3</sup>
Spain - Valores Limite Ambientales - VLE	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>
Switzerland	TWA: 0.5 mg/m <sup>3</sup>
UK EH40 WEL (8h)	5 mg/m <sup>3</sup>
<i>Copper sulfate pentahydrate; CuSO<sub>4</sub>+5H<sub>2</sub>O</i>	
Austria	STEL 0.4 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>
Finland	TWA: 0.02 mg/m <sup>3</sup>
Poland	TWA: 0.2 mg/m <sup>3</sup>
Switzerland	STEL: 0.2 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)**

Component	Oral	Dermal	Inhalation
Zinc sulphate mono hydrate; ZnSO <sub>4</sub> +1H <sub>2</sub> O 7446-19-7 (< 0.1% )		8.3 mg/kg bw/day	1 mg/m <sup>3</sup>
Manganese sulphate; MnSO <sub>4</sub> +1H <sub>2</sub> O 7785-87-7 (< 0.1% )	37.6 mg/m <sup>3</sup>	0.004 mg/kg bw/day	0.2 mg/m <sup>3</sup>

**Predicted No Effect Concentration (PNEC)**

No data available

Component	Fresh Water	Freshwater sediment	Sea Water	Sea sediment	Soil	Impact on Sewage Treatment
Zinc sulphate mono hydrate; ZnSO <sub>4</sub> +1H <sub>2</sub> O 7446-19-7 (< 0.1% )	20.6 µg/l		6.1 µg/l	56.5 mg/kg	35.6 mg/kg	100 µg/l
Manganese sulphate; MnSO <sub>4</sub> +1H <sub>2</sub> O 7785-87-7 (< 0.1% )	0.013 mg/l	0.011 mg/kg	0 mg/l	0.001 mg/kg	25.1 mg/kg	25.1 mg/kg

**8.2. Exposure controls****Personal protective equipment****Eye/Face Protection**

Not required

**Hand protection**

Gloves. Nitrile rubber (0.26 mm). Break through time. &gt; 8 h.

**Respiratory Protection**

Not required; except in case of aerosol formation. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit

**Skin and body protection:** Lightweight protective clothing  
**Hygiene Measures:** When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	aqueous solution
<b>Odor:</b>	None
<b>pH:</b>	3.2
<b>Melting Point/Freezing Point:</b>	No data available
<b>Boiling Point/Range:</b>	no data available. .
<b>Flash Point:</b>	no data available. .
<b>Evaporation Rate:</b>	no data available. .
<b>Flammability (solid, gas):</b>	Not flammable
<b>Vapor Pressure:</b>	no data available. .
<b>Vapour density</b>	no data available. .
<b>Relative density</b>	No data available
<b>Water Solubility:</b>	No data available
<b>Solubility(ies)</b>	No data available
<b>Partition Coefficient:</b>	no data available. .
<b>Autoignition Temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Explosive Properties:</b>	Doesn't present explosion hazard.
<b><u>9.2. Other information</u></b>	
<b>VOC Content (%):</b>	Solid. Not applicable.

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### 10.4. Conditions to avoid

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used packaging should be closed well.

### 10.5. Incompatible materials

Keep away from catalysts like derivatives of hexavalent chromium and metal halides. Keep away from flammable products (fuels) like charcoal, wood, flour, soot etc.

### 10.6. Hazardous decomposition products

None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Product Information

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

#### Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

**Inhalation** Inhalation of dust in high concentration may cause irritation of respiratory system.

<b>Eye contact</b>	May cause slight irritation.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	May cause gastrointestinal discomfort if consumed in large amounts.

**Information on Toxicological Effects**

None known

**Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (oral): 1,936.00 mg/kg

**Unknown Acute Toxicity:** 0% of the mixture consists of ingredient(s) of unknown toxicity.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Iron sulphate; FeSO <sub>4</sub> +7H <sub>2</sub> O	= 1520 mg/kg		
Citric acid; C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	= 3 g/kg ( Rat ) = 3000 mg/kg ( Rat )		
Ethanolamine	= 1720 mg/kg ( Rat )	= 1 mL/kg ( Rabbit ) = 1000 mg/kg ( Rabbit )	
Manganese sulphate; MnSO <sub>4</sub> +1H <sub>2</sub> O	= 2125 mg/kg ( Rat )		> 4.98 mg/L (Rat) 4h
Copper sulfate pentahydrate; CuSO <sub>4</sub> +5H <sub>2</sub> O	= 960 mg/kg ( Rat )	> 2 g/kg ( Rat ) > 8 g/kg ( Rabbit )	

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:**

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

<b>Serious eye damage/eye irritation</b>	Classification based on individual ingredients of the mixture.
<b>Respiratory or skin sensitization</b>	Classification based on individual ingredients of the mixture.
<b>Germ Cell Mutagenicity</b>	Classification based on individual ingredients of the mixture.
<b>Carcinogenicity</b>	Classification based on individual ingredients of the mixture.
<b>Reproductive Toxicity</b>	Classification based on individual ingredients of the mixture.
<b>STOT - Single Exposure</b>	Classification based on individual ingredients of the mixture.
<b>STOT - Repeated Exposure</b>	Classification based on individual ingredients of the mixture.
<b>Aspiration Hazard</b>	Classification based on individual ingredients of the mixture.

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity****Ecotoxicity**

Should not be released into the environment

**Unknown Aquatic Toxicity**

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Citric acid; C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	-	1516: 96 h Lepomis macrochirus mg/L LC50 static	-	120: 72 h Daphnia magna mg/L EC50
Ethanolamine	15: 72 h Desmodesmus subspicatus mg/L EC50	227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000:	-	65: 48 h Daphnia magna mg/L EC50

		96 h Lepomis macrochirus mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static		
Copper sulfate pentahydrate; CuSO <sub>4</sub> +5H <sub>2</sub> O	-	0.66 - 1.15: 96 h Lepomis macrochirus mg/L LC50 semi-static 0.96 - 1.8: 96 h Lepomis macrochirus mg/L LC50 static 0.6752: 96 h Pimephales promelas mg/L LC50 static 0.09 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 static 0.1478 - 0.165: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-	0.147 - 0.227: 48 h Daphnia magna mg/L EC50 Static

**12.2. Persistence and degradability****Persistence and Degradability:**

No persistent or cumulative effects were observed.

**12.3. Bioaccumulative potential****Bioaccumulation:**

Does not bioaccumulate.

Chemical Name	LOGPOW
Citric acid; C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	-1.72
Ethanolamine	-1.91

**12.4. Mobility in soil**

No data available.

**12.5. PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

## Section 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods****Disposal of Wastes:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:**

Do not reuse container.

**Other Information**

Use up product completely. Packaging material is industrial waste.

## Section 14: TRANSPORT INFORMATION

**IMO / IMDG****14.1****UN-No:**

Not regulated

**14.2****Proper shipping name:**

Not regulated

**14.3****Hazard Class:**

Not regulated

**14.4****Packing group:**

Not regulated

**14.5****Marine Pollutant:**

No information available

**14.6**



**Special Provisions** None  
**14.7**  
**Bulk transport according Annex II of MARPOL and IBC Code** No data available

**ADR/RID**

**14.1**  
**UN-No:** Not regulated  
**14.2**  
**Proper shipping name:** Not regulated  
**14.3**  
**Hazard Class:** Not regulated  
**14.4**  
**Packing group:** Not regulated  
**14.5**  
**Environmental Hazard** Not regulated  
**14.6**  
**Special Provisions** None

**IATA**

**14.1**  
**UN-No:** Not regulated  
**14.2**  
**Proper shipping name:** Not regulated  
**14.3**  
**Hazard Class:** Not regulated  
**14.4**  
**Packing group:** Not regulated  
**14.5**  
**Environmental Hazard** Not regulated  
**14.6**  
**Special Provisions** None

**Section 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Belgium****Denmark**

Denmark No data available

**France**

ICPE Not regulated

**Germany**

LGK (Germany) 13  
 Water Endangering Class (WGK): 1 (Everris classification)  
 Gefahrstoffverordnung (Germany) TRGS 511 Not regulated

Component	German WGK Section
Iron sulphate; FeSO <sub>4</sub> +7H <sub>2</sub> O 7782-63-0 ( 25 - 40% )	class 3
Citric acid; C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> 77-92-9 ( 1 - 5% )	class 1
Ethanolamine 141-43-5 ( 0.1 - 1% )	class 1
Zinc sulphate mono hydrate; ZnSO <sub>4</sub> +1H <sub>2</sub> O 7446-19-7 ( < 0.1% )	3
Manganese sulphate; MnSO <sub>4</sub> +1H <sub>2</sub> O 7785-87-7 ( < 0.1% )	2
Copper sulfate pentahydrate; CuSO <sub>4</sub> +5H <sub>2</sub> O 7758-99-8 ( < 0.1% )	class 3

**15.2 Chemical safety assessment**

Substance(s) usage is covered according to Reach regulation 1907/2006

Take note of Dir. 98/24/EC on the protection of the health and safety of workers from risks related to chemical agents at work

**Section 16: OTHER INFORMATION**
**Full text of H-Statements referred to under sections 2 and 3**

- H302 - Harmful if swallowed
- H312 - Harmful in contact with skin
- H332 - Harmful if inhaled
- H314 - Causes severe skin burns and eye damage
- H318 - Causes serious eye damage
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H319 - Causes serious eye irritation
- H315 - Causes skin irritation
- H373 - May cause damage to organs through prolonged or repeated exposure in contact with skin
- H411 - Toxic to aquatic life with long lasting effects
- H412 - Harmful to aquatic life with long lasting effects

**Key or legend to abbreviations and acronyms used in the safety data sheet**

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

ICAO: International Civil Aviation Organization

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PNEC: Predicted No Effect Concentration

DNEL: Derived No-Effect Level

REACH: Registration, Evaluation, Authorization of Chemicals

CLP: EU-GHS; Classification, Labelling and Packaging

OEL: Occupational Exposure Limit

TWA: Time Weighted Average

ATE: Acute Toxicity Estimate

EUH phrase: CLP (EU) specific hazard statement

LD50: Lethal dose, 50%.

LC50: Lethal concentration, 50%.

SVHC: Substance of Very High Concern.

**Classification procedure**

- Calculation method
- Expert judgment and weight of evidence determination

**Key literature references and sources for data**

According to EC Regulation 1907/2006 (Reach), Regulation EU No. 2015/830. Regulation (EC) No 1272/2008 (CLP).

**Prepared by**

Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

**Issue Date**

24-Feb-2015

**Restrictions on use**

Restricted to professional users

**Reason for revision**

\*\*\* Indicates changes since the last revision. This version replaces all previous versions

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